

## LUBRICANT AND MAGNETIC RECORDING MEDIUM

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Inventor(s): KONDO HIROFUMI  
Applicant(s):: SONY CORP  
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### Abstract

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**PURPOSE:** To provide a lubricant that will be used for magnetic recording mediums, exhibits excellent lubricity for a long period of time under various use conditions and is excellent in running properties, abrasion resistance, and durability by choosing a specified compound.

**CONSTITUTION:** This lubricant comprises a phosphazene group-containing perfluoropolyether having the given formula wherein Rf denotes a perfluoropolyether group and preferably a monofunctional perfluoropolyether group represented by the formula  $F(CF_2 CF_2 CF_2 O)_r CF_2 CF_2 -$ ,  $CF_3 (OCF(CF_3) CF_2)_m -(OCF_2)_l -$ , or  $F(CF(CF_3)CF_2 O)_k CF_2$  wherein (r), (m), (l), and (k) are each 1 or more or a polyfunctional perfluoropolyether group represented by the formula  $-(OC_2 F_4)_p (OCF_2)_q$  wherein p and (q) each represent (r), R denotes a hydrocarbon group preferably having 10 or more carbon atoms, and (n) is 1 to 6.

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